

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) An Internet telephone system for voice communication between a telephone subscribing to a first voice network and a telephone subscribing to a second voice network via a network using an Internet protocol, comprising:

a plurality of label switch routers ~~which constitute said network and~~ configured to use a label switching technique, ~~respectively;~~

a first media gateway ~~which is connected across~~ coupled to a first ~~specific label switch router among said one of the~~ plurality of label switch routers and a first signaling transfer point connected to said first voice network, ~~and assembles/resolves a VoIP packet;~~

a second media gateway ~~which is connected across~~ coupled to a second ~~specific label switch router among said one of the~~ plurality of label switch routers and a second signaling transfer point connected to said second voice network, ~~and assembles/resolves a VoIP packet;~~

a path control unit ~~which checks whether or not there is~~ configured to:
determine whether a first path having a residual band larger first bandwidth larger than a ~~band~~ bandwidth necessary for transferring said VoIP a voice over Internet protocol (VoIP) packet between said first ~~specific~~ label switch router and said second ~~specific~~ label switch exists, and[[,]]

when it is determined that ~~there is not said~~ the first path having the first bandwidth does not exist, sets set a new path having a ~~band~~ bandwidth that is equal to or more than [[a]] ~~double band of said necessary band~~ the bandwidth necessary for transferring the VoIP packet; and

a packet control unit, coupled ~~which is connected~~ to said path control unit, ~~and~~ configured to:

~~instructs~~ instruct said first media gateway and said second media gateway to transfer ~~said VoIP packet~~ VoIP packets via the first path ~~that is checked or set by said~~ the new path control unit.

2. (currently amended) [[An]] The Internet telephone system ~~according to Claim of claim 1,~~ wherein ~~said path to be set by said path control unit~~ the new path has a ~~band~~ bandwidth that is equal to or more than a hundred times ~~of said necessary band~~ the first bandwidth.

3. (currently amended) [[An]] The Internet telephone system ~~according to Claim of claim 1,~~ further comprising:

a route control unit ~~which controls~~ configured to control said plurality of label switch router routers.

4. (currently amended) [[An]] The Internet telephone system ~~according to Claim of claim 3,~~ wherein said route control unit is provided to each label switch router.

5. (currently amended) [[An]] The Internet telephone system ~~according to Claim of claim 3,~~ wherein said route control unit is connected to all of the plurality of label switch routers.

6. (currently amended) A path setting method of setting a path to which a ~~band~~ bandwidth is ensured on a network using an Internet protocol connected between a first voice network and a second voice network to execute voice communication between a telephone ~~subscribing to said~~

associated with the first voice network and a telephone subscribing to said associated with the second voice network, comprising the steps of:

determining whether ~~or not there is a~~ first path having a residual ~~band~~ bandwidth larger than a ~~band~~ first bandwidth necessary for transferring a voice over Internet protocol (VoIP) packet between two edge label switch routers ~~by a path control unit exists;~~ and

setting a new path having a ~~band~~ bandwidth that is equal to or more than ~~[[a]] double band of~~ said necessary band between said two edge label switch routers the first bandwidth by said path control unit, when it is determined that ~~there is not said path~~ the first path does not exist.

7. (currently amended) ~~[[A]]~~ The path setting method according to Claim of claim 6, wherein said new path set by said path control unit has a ~~band~~ bandwidth that is equal to or more than a hundred times ~~of said necessary band~~ the first bandwidth.

8. (currently amended) A call control apparatus for setting a path to which a ~~band~~ bandwidth is ensured on a network using an Internet protocol connected to a first voice network and a second voice network to execute voice communication between a telephone ~~subscribing to~~ coupled to said first voice network and a telephone ~~subscribing to~~ coupled to said second voice network, comprising:

a path control unit ~~which~~ configured to:

~~determines whether or not there is~~ determine whether a first path having a residual ~~band~~ bandwidth larger than a ~~band~~ first bandwidth necessary for transferring a voice over Internet protocol (VoIP) packet between ~~two edge~~ a first label switch router and a second label switch routers router, exists and~~[[,]]~~

when it is determined that ~~there is not said path, sets a new~~ the first path does not exist, set a
second path having a ~~band~~ bandwidth that is equal to or more ~~than a double band of said necessary~~
~~band between said edge label switch routers~~ two times the first bandwidth; and

a packet control unit ~~which controls~~ configured to control a first media gateway and a second
media gateway connected to said ~~two edge~~ first and second label switch routers, respectively, to
transfer said VoIP packet via ~~[[a]] the first path having said residual band~~ or said ~~[[new-set]]~~ second
path.

9. (currently amended) ~~[[A]]~~ The call control apparatus ~~according to Claim of claim 8,~~
wherein the ~~path to be newly~~ second path set by said path control unit has a ~~band~~ bandwidth of a
hundred times of said ~~necessary band~~ first bandwidth.

10. (currently amended) A router ~~used for a network using an Internet protocol~~ connected
between a first voice network and a second voice network to implement voice communication
between a telephone ~~subscribing to said~~ associated with a first voice network and a telephone
~~subscribing to said~~ associated with a second voice network, ~~wherein~~ comprising:

~~said router sets~~ logic configured to set a path having a ~~band~~ first bandwidth that is ~~equal to or~~
~~more than a double band of a band~~ at least two times a bandwidth necessary for transferring a voice
over Internet protocol (VoIP) packet in accordance with control by a call control apparatus, thereby
establishing a plurality of connections in said path.

11. (currently amended) ~~[[A]]~~ The router according to Claim of claim 10, wherein said path has a ~~band that is equal to or more than a~~ bandwidth of at least one hundred times of ~~said necessary band~~ the first bandwidth.

12. (currently amended) ~~[[A]]~~ The router according to Claim of claim 10, wherein said router is a label switch router.

13. (currently amended) A computer program product for implementing a call control apparatus for setting a path ~~to which a band is ensured on a network using an Internet protocol connected between a first voice network and a second voice network to execute voice communication between a telephone subscribing to said first voice network and a telephone subscribing to second voice network~~, wherein said computer program product comprises the steps of comprising:

instructions for determining whether or not there is a first path having a residual band bandwidth larger than a band bandwidth necessary for transferring a voice over Internet protocol (VoIP) packet between two edge label switch routers exists; and

instructions for setting, when it is determined that there is not said the first path does not exist, a new path having a band bandwidth that is equal to or more than a double band of said necessary band between said label switch routers two times the first bandwidth; and

instructions for controlling a media gateway connected to at least a first one of said two edge label switch routers to transfer said VoIP packet via the first path having the residual band larger than said necessary band or said [[new-set]] new path.

14. (currently amended) [[A]] The computer program product according to Claim of claim 13, wherein the ~~path to be newly set has a band of a~~ new path has a bandwidth that is one hundred times of said necessary band the first bandwidth.

15. (new) A device, comprising:

a controller configured to:

receive a call request associated with establishing a voice connection between a first device and a second device via a network, the voice connection using voice over Internet protocol (VoIP),

determine whether a first label switching path exists in the network between a first router and second router, the first router and second routers being involved in routing VoIP packets between the first device and second device, and

request, when the first label switching path does not exist, that the first router establish a second label switching path to the second router, the second label switching path having a bandwidth of at least two times a bandwidth needed for transferring a VoIP packet between the first and second devices.

16. (new) The device of claim 15, wherein the controller is further configured to:

manage the use of labels associated with label switching in the network such that transfer of a VoIP packet from the first device to the second device through at least one other device uses a single label.

17. (new) The device of claim 16, wherein each of the first and second devices comprises an edge router and the other device comprises a core router.